查询BZX97/C10供应商

CHENYI ELECTRONICS

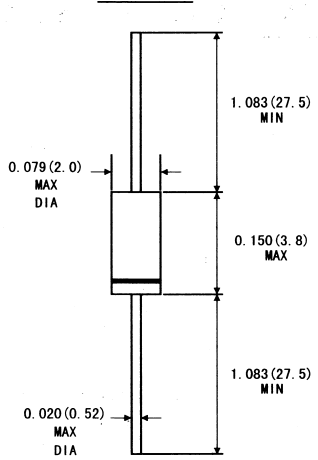
BZX97/C 2V4 THRU BZX97/C 51

0.5W SILICON PLANAR ZENER DIODES

FEATURES

The zener voltage are gaded accrding to the international E24 standard. Other voltage tolerances on request

DO-35



Dimensions in inches and (millimeters)

MECHANICAL DATA

. **Case:** DO-35 glass case

. **Polarity:** Color band denotes cathode end

. **weight:** Approx. 0.13 gram

ABSOLUTE MAXIMUM RATINGS(LIMITING VALUES)(TA=25℃)

	Symbols	Value	Units
Zener current see table "Characteristics"			
Power dissipation at TA=25℃	Ptot	500 1)	mW
Junction temperature	TJ	175	℃
Storage temperature range	TSTG	-55 to +175	℃
1)Valid provided that a distance of 8mm from case are kept at ambient temperature			

ELECTRCAL CHARACTERISTICS(TA=25℃)

	Symbols	Min	Typ	Max	Units
Thermal resistance junction to ambient	$R_{\theta JA}$			300 1)	K/W
Forward voltage at IF=100mA	VF			1.0	V
1) Valid provided that a distance at 8mm from case are kept at ambient temperature					

Copyright @ 2000 SHANGHAI CHENYI ELECTRONICS CO.,LTD

BZX97... SILICON PLANAR ZENER DIODES

Type	Zener Voltage range 1)			Dynamic resistance			Reverse leakage current			Temp Coefficient of zener voltage
	V_{znom}	I_{ZT} for V_{ZT} 2)		r_{zjt} and r_{zjk} at I_{ZK}			I_R and I_R 2) at V_R			TK_{VZ}
	v	mA	V	Ω	Ω	mA	μA	μA	V	%/K
BZX 97/C 2V4	2.4	5	2.28..2.56	<85	<600	1	<10000	<50	1	135
BZX 97/C 2V7	2.7		2.5..2.9				<10000	<50		135
BZX 97/C 3V0	3.0		2.8..3.2				<4000	<40		125
BZX 97/C 3V3	3.3		3.1..3.5				<2000			115
BZX 97/C 3V6	3.6		3.4..3.8							105
BZX 97/C 3V9	3.9		3.7..4.1							95
BZX 97/C 4V3	4.3		4.0..4.6	<75			<1000	<20		90
BZX 97/C 4V7	4.7		4.4..5.0	<60			<500	<10		85
BZX 97/C 5V1	5.1		4.8..5.4	<35	<550		<100	<2		80
BZX 97/C 5V6	5.6		5.2..6.0	<25	<450					70
BZX 97/C 6V2	6.2		5.8..6.6	<10	<200				2	64
BZX 97/C 6V8	6.8		6.4..7.2	<8	<150				3	58
BZX 97/C 7V5	7.5		7.0..7.9	<7	<50				5	53
BZX 97/C 8V2	8.2		7.7..8.7	<7					6	47
BZX 97/C 9V1	9.1		8.5..9.6	<10					7	43
BZX 97/C 10	10		9.4..10.6	<15	<70				7.5	40
BZX 97/C 11	11		10.4..11.6	<20	<70				8.5	36
BZX 97/C 12	12		11.4..12.7	<20	<90				9	32
BZX 97/C 13	13		12.4..14.1	<26	<110				10	29
BZX 97/C 15	15		13.8..15.6	<30	<110				11	27
BZX 97/C 16	16		15.3..17.1	<40	<170				12	24
BZX 97/C 18	18		16.8..19.1	<50	<170				14	21
BZX 97/C 20	20		18.8..21.2	<55	<220				15	20
BZX 97/C 22	22		20.8..23.3	<55	<220				17	18
BZX 97/C 24	24		22.8..25.6	<80					18	16
BZX 97/C 27	27		25.1..28.9						20	14
BZX 97/C 30	30		28..32						22	13
BZX 97/C 33	33		31..35						24	12
BZX 97/C 36	36		34..38	<90	<250				26	11
BZX 97/C 39	39	2.5	37..41	<100	<6002)	0.5			28	10
BZX 97/C 43	43		40..46	<100	<7002)				32	9.2
BZX 97/C 47	47		44..50	<120	<10002)				34	8.5
BZX 97/C 51	51		48...54	<135	<10002)				36	7.8

1)Teated with pulses tp=20ms

2)Measured at IZ=0.5mA

3)Valid provided that leads are kept at ambient temperature at a distance of 8mm from case

Copyright @ 2000 SHANGHAI CHENYI ELECTRONICS CO.,LTD